BRUHAT BANGALORE MAHANAGARA PALIKE

Detailed Estimate for :- Providing senior citizen shelter, lighting to pathway and other developmental works to Ganesha Layout park in M.S. Palya, Ward No.11

Estimated cost Rs.10.00 Lakhs

Sl. No	Description of work	No	Dimensions L	B	D	qty	Rate	Unit	Amount
1	earth work excavation for foundation of building, water supply, sanitary lines and electrical conditions either in pits or in trenches 1.5m and above in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the escavated soil clean from edges of excavation with lead upto 50m after breaking of complete as per specifications (KSB 2.1) (b) 2.3.5, P-5, 1-2.4)								
	for poles	23	0.60	0.60	0.60	4.97			
						4.97	264.60	Cum	1,315.00
	Basic rate	245.00							
	Area Weightage @ 8%	19.60							
	Total	264.60							
2	Providing and laying in positionp lain cement concrete of CC 1:4:8 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.12, Item No.4.3 PWD S.R. 13-14)								
	for poles	23	0.60	0.60	0.15	1.24			
					Total	**1.24**	4847.04	cum	6021.00
	Basic Rate	4488.00							
	Area Weightage @8%	359.04							
	Total	4847.04							
3	Providing and laying in positionp lain cement concrete of CC 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.12, Item No.4.6)								
	for poles	23	0.60	0.60	0.45	3.73			
					Total	**3.73**	5327.64	cmtr	19851.00
	Basic Rate	4933.00							

	Area Weightage @ 8%	394.64							
	Total	5327.64							
4	Fabricating, supplying and erection of 4 Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, bakelite sheet nd MCBs as per IS specifications suitable to withstand the wind speed of 180 kmph for 4 Mtr pole having dimensions bottom 130mm top 70 mm with 3/4mm thick, suitable base plate and 4 nos of 220x220x12mm long J bolts along with template and the pole shall be galvanized with not less than 65 micron etc., (without foundation for foundation details refer prevatiling Civil SR) a) 4 mtr height (bottomdia 130mm, top dia 70mm, 3mm thick ; size of base plate 220mmx220x12mm;4 Nos M20x700mm long 'J' bolts and nuts) Page 75 Item no. 22.a)								
		23				23.00			
					Total	**23.00**	8500.00	Each	195500.00
5	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete (As per Civil SR KSRB 1-2, P-7) P-70, I.No.6, b)c) Electrical S.R. 10-11								
	in hard soil	1	350.00			350.00	50.00	mtr	17500.00
6	Providing and filling sand in excavated trench to cover already laid UG cable to a depth of 150mm alround the cable (As per civil SR KSRB, I-26, P-8) P./70 I. No.7								
		1	350.00			350.00	66.00	mtr	23100.00
7	supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanised, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class I Class 'A' PVC Cable, P.No.68, I. No.4 g) Electrical SR. 10-11								
	3.5 core 50 sqmm	1	360.00			360.00	340.00	mtr	122400.00
	b) 2 core 10sqmm	23	10.00			230.00	110.00	mtr	25300.00
8	supply and fixing of heavy duty cable glands suitable for UG cableof 1.1 Kvclass (metal only) P.No.70 I.No.11 e)								
	d) 50 mm dia	1	4.00			4.00	260.00	Each	1040.00
9	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. P. 69 I.No. 5 I)b) Electrical SR 10-11								
	a) 25 sqmm to 75 sqmm	1	360.00			360.00	11.00	mtr	3960.00
10	Supplying and making straight through cable joint with epoxy resin including ferrules and other jointing materials forPVC insulated and PVC sheathed steel tape, wire armoured aluminium conductor cable of 1.1 KV grade of the following sizes P.No.71 I.No.12 d)								
	d) 3 1/2 x 50 sqmm	1	3.00			3.00	1210.00	per Kit	3630.00

11	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc., P. 70 I.No.10e) Electrical S.R. 10-11								
	e) 50 sqmm	23				23.00	413.00	each	9499.00
12	Supply of 125 Watt HPMV lamp fitting with round/conical/diamond shaped HDPE doom mounted a cast aluminium spigot fitted with VPIT open constructioin low loss heavy duty copper wound ballast, of improvement capcitor complete with lamp holder for fixing of 125 Watts MV lamp suitable to operate on 230V toHz AC supply including 125 Watts HPMV lamp P. No.18 I.No. 8 a)								
	a) Group 'A'	23				23.00	3200.00	each	73600.00
13	Fixing charges of post top/Gate/Garden fitting on the existing CI/ GI or any other pipe using required size of reducer, wiring using suitable wires etc.,complete Page No.28 I.no.6								
		23				23.00	165.00	each	3795.00
14	Supplying and fixing regular MCCB distribution panel confirm to IS 8828, on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing of suitable type capacity MCCB's as an incomer for 3 phase Doubledoor with necessary bus bard completely wired to use on 440 Vots 3 Phase 4 wire powder coated painting etc., complete with a provision for fixing of single/ three phase suitable capacity MCCB/MCB's as outgoing confirming to IS8828 P No.36 I.No.11 a)								
	a)4way 1) Group A	2				2.00	5835.00	each	11670.00
15	Supplying 100 Amps rated 3 phase with neutral bus bar using required capacity electrolytic alluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic / FRP/DMC insulator which are mounted on powder coated 40x6mm M.S. flat frame work in existing panel board. The bus bar shall have suitable holes for terminatioin of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete P. No.41, I. No.36 a)								
	a)100Amps 4x30x6mm Alluminium strips	1				1.00	1600.00	Rmtr	1600.00
16	Supply and fixing of MODULAR MCB Devices (Tripper) with Breaking capapcity of 6KVA Page No.43 I.No. 43, II.								
	II TP.b) 40 Amps	1				1.00	875.00	each	875.00
17	Supplying, fixing, wiring, earth electrode for grounding conduits,I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long burried in a pit..... The pit should be filled with equal proprotion fo salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc., the pipe shall have 16 through holes of 12mm dia P. No68 I. No.1								
		1				1.00	1950.00	Each	1950.00

18	Fabricating supplying and mounting 1200x900x350mm MS box made out 18 SWG suitable for floor /wall mounting, fully weather proof with double slanted top as per drawing with providion for better heat dissipation provided with hinged front cover with clear opening of 100x100mm, protected by glass cover clamped to the door on EB meter sode to facilitate meter reading, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box shoubl be finished with approved colour enameled metal paint etc., complete PWD Elec SR P-42, I-38C								
		1				1.00	10136.00	Nos	10136.00
19	Manufacturing, Providing and Fixing a Gazeboo (of size 22 feet Dia-Approximate) made of MS Round pipes of 6 inches diameter of 12 SWG for pillars 10 feet in height, in which 8 ft will be above the ground level and 2 feet embedded in cement concrete and provided with MS plate on top of the pillars. MS I section 100x50mm of heavy guage (for rafters) in placed between the poles on top of the flush plate. Also MS anglular tubes of 100x40mm are to be mounted vertically on all 8 pillars. MS angular tubes of 40x20mm reepers are welded horizontally in between the rectangel tubes for a distance of 1 feet approximately so as to get the desired octoganal shape, for fixing approved guality corrugated Mangalore tiles on the roof (2 layer as per design) Flat design tiles and pointed with cement mortor. The Gazebo is to be fixed on a suitable platform, thecentral height being 15 to 16 feet and including allround bed concrete 1:4:8 and size stone masonry foundation as per the aprroved design, drawing, specifciation. The MS pipes are to be fixed with CC 1:1.5:3 and the flooring is constructed with classic Eeurocon tiles placed on cement concrete 1:4:8 and tampered with fine red earth, with cement slurry. The work includes earth work excavation, concreteing, masonary work and cost of all materials, flabour, equipments, machinery wioth all lead and lift, loading and unloading etc., complete including two coats of approved quality special spry paint over one coat of primer and executing the work as per the directions of the Engineer in charge								
						1	387925.00	Nos	387925.00
20	Providing and fixing Granite Benches including cost of materials labour as per specification (Data Rate Approved)								
	Data Rate	10550							
	for shelter	7.00				7.00			
						7.00	10550	Nos	73,850.00

21	Providing and fixing dust bins as per designs, drawing specification and direction of Engineer in charge of works	1.00	4800.00	Nos	4,800
				Total Rs.	999,317.00
				Miscellaneous	683.00
				GRAND TOTAL Rs.	**1000000.00**

Certificate

1. The work spot has been inspected and the work is found necessary
2. This estimate is prepared as per C.S.R. of 2014-15
3. This provisions were made in this estimate are necessary and adequate
4. This work cormes under B.B.M.P limits

Asst. Engineer
BBMP

Asst. Executive Engineer
BBMP

Executive Engineer ( )Yelahanka
BBMP

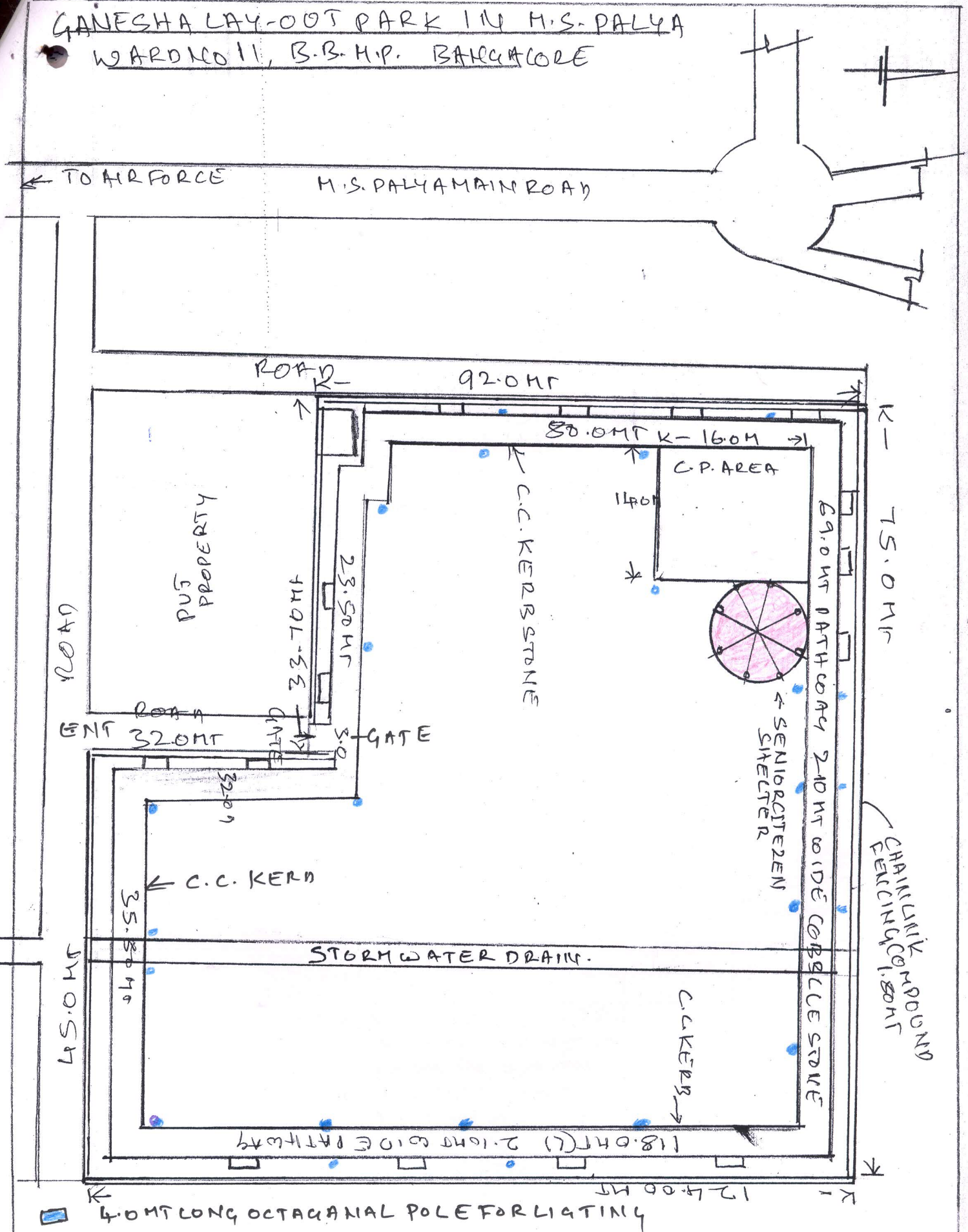
Sanction for Rs. 10.00L
Ten lakhs only
is accorded under head.
P-0190
as CE No. 22 / Subject
to Conditions contained in enclosed memo
No. / 105 Dr. 22.12.14

AE/JE TA SE (BTP) EE (BTP)

Technical Sanction for Rs. 10.00L
Ten lakhs only
P-0190
50 22.12.14
No: 266 Dt. 22.12.14

AE/JE EE(BTP.Div.)

GANESHA LAY-OUT PARK IN M.S. PALYA WARD NO 11, B.B.M.P. BANGALORE



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ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ.